

METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR  
SECURITY PROCESSING OUTBOUND COMMUNICATIONS IN A  
CLUSTER COMPUTING ENVIRONMENT

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Abstract of the Disclosure

Methods, systems and computer program products  
provide Internet Protocol Security (IPSec) to a plurality  
of target hosts in a cluster of data processing systems  
which communicate with a network through a routing  
communication protocol stack utilizing a dynamically  
routable Virtual Internet Protocol Address (DVIPA) for  
communications from the plurality of target hosts by  
negotiating security associations (SAs) associated with  
the DVIPA utilizing an Internet Key Exchange (IKE)  
component associated with the routing communication  
protocol stack and distributing information about the  
negotiated SAs to the target hosts so as to allow the  
target hosts to perform IPSec processing of  
communications to the network utilizing the negotiated  
SAs. Communications to the network are IPSec processed  
utilizing the distributed information at communication  
protocol stacks at respective ones of the plurality of  
target hosts.

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